

SCOPE OF WORK

Solar Array Repairs and Upgrade for the Combined Maintenance Facility

At

**119 West Range Road Esler Field, Pineville,
Louisiana, 71360**



**STATE OF LOUISIANA
MILITARY DEPARTMENT
CONSTRUCTION AND FACILITIES MANAGEMENT OFFICE**

14 November 2019

Scope of work AS OF: 14 November 2019

Solar Array Repairs and Upgrade for the Combined Maintenance Facility

119 West Range Road, Esler Field,

Pineville, Louisiana, 71360

I. Summary of Work:

Contractor to provide all labor, commercial grade materials, tools and equipment necessary to make repairs/improvements as outlined below to the Solar Array at the Combined Maintenance Facility located at 119 West Range Road, Esler Field, Pineville, Louisiana, 71360.

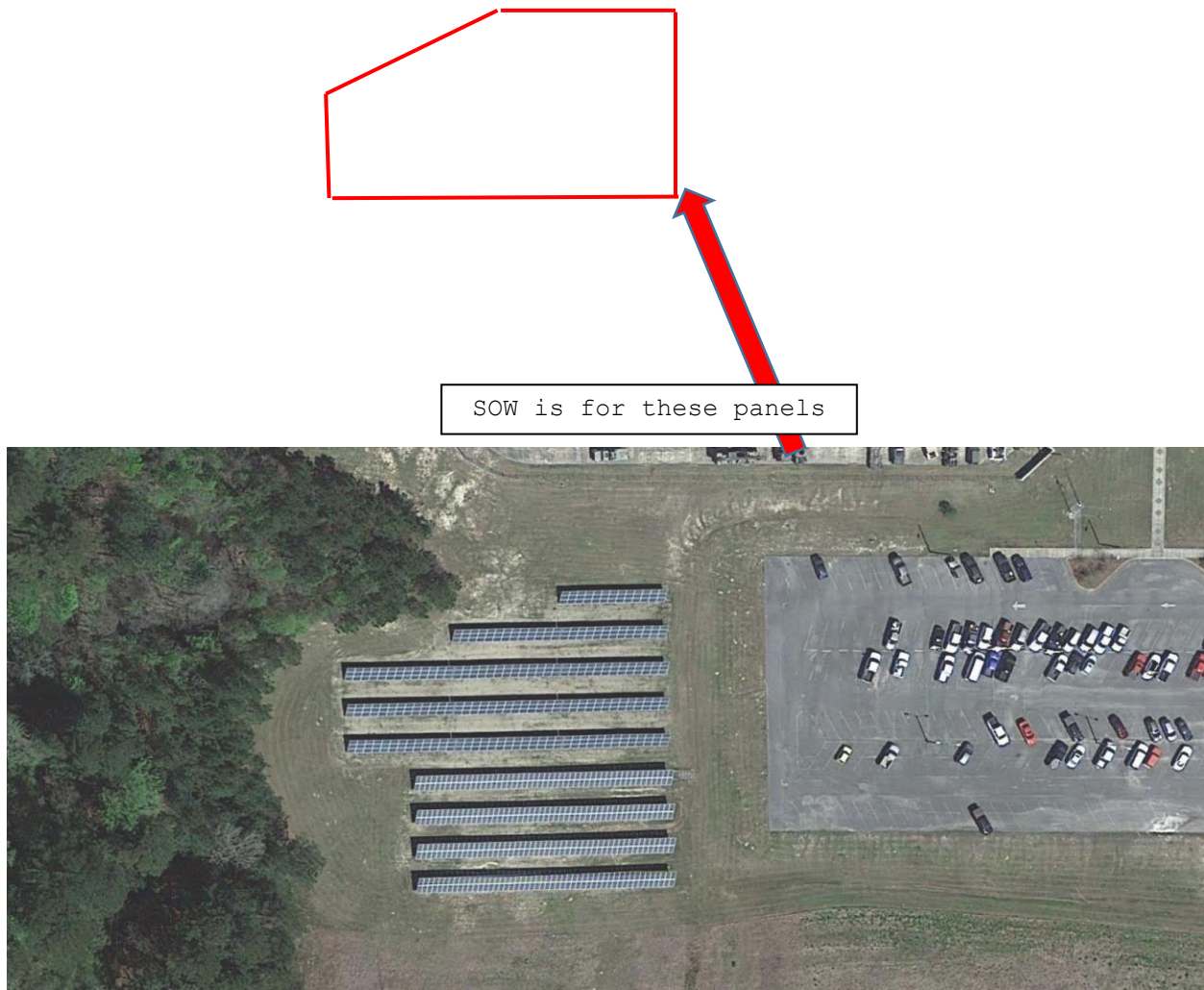
II. Scope of Work: The scope of work, includes, but is not limited to the following:

A. General Requirements:

1. Provide a job-specific Health and Safety Plan and other general requirements.
2. Review Louisiana National Guard (LANG) Asbestos (ACM) and Lead (LBP) reports and surveys. In the event that any work will disturb ACM or LBP, immediately notify the project manager. Follow Louisiana National Guard (LANG) / OSHA guidelines if ACM / LBP materials will be disturbed.
3. Follow all Louisiana National Guard (LANG) lock-out tag-out procedures.
4. The Contractors are not to move equipment without the express consent of facility management.
5. Participate in the commissioning and verification process. Provide support for the Commissioning Agent (CA).
6. Repair or replace any Louisiana National Guard (LANG) property that is damaged as a result of this work.
7. All electrical work shall be in accordance with current National Electric Code (NEC).
8. Properly dispose of and recycle all materials generated during the implementation of this project.
9. Adhere to all documentation required in the provided project specifications which includes, but not limited to, safety documentation, daily and weekly reports, submittal for products and packing slips, request for information forms, etc.
10. Provide closeout project and technical documents.
11. Demonstrate operation and maintenance of the system to Louisiana National

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Attachment C – Specifications

Guard (LANG) representatives and maintenance mechanics.



B. General Scope:

- 1) ***Vendor must be an approved installer of PV Powered Systems and is Enphase Certified. (Documentation must be provided with the bid).***
- 2) Remove and properly dispose of forty eight (48) inoperable solar panels and provide and install new solar panels in their place.
- 3) Remove and properly dispose of all combiner boxes and provide and install new combiner boxes.

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- 4) Provide and install new Enphase micro inverters.
- 5) Remove and properly dispose of all cabling on arrays and provide and replace with new cable.
- 6) Replace all broken connections on the back of existing panels.
- 7) Provide and install new cell modem, outside power vented electronic cabinet with five (5) year data agreement to have PV system monitorable.
- 8) Remove and properly dispose of two (2) utility interactive three (3) phase photo voltaic inverters.

Remove and dispose of Inverters



III. Special Conditions:

1. The work will be completed within one hundred twenty (120) days.
2. Normal hours of operation for Unit Personnel is Tuesday – Friday 7:00 AM until 5:00 PM Central Standard Time except recognized State and Federal holidays. Work performed outside this schedule must be coordinated with the Readiness NCO or Unit personnel on site.
3. If an onsite storage area is required, the contractor must confirm a storage location for any materials, fixtures, equipment, trailers, etc., stored on site during the term length of the contract. The location will be approved by the Area Coordinator and

Attachment C – Specifications

the Project Manager during the pre-construction meeting.

4. The Contractor shall contact the Louisiana Army National Guard Project Manager prior to the beginning of work and for inspection of satisfactory completion.
5. The Contractor shall provide a work schedule (bar chart) forty eight (48) hours prior to start of work detailing each task of work. Provide material submittals for approval.
6. The awarded Contractor shall provide a detailed schedule of values for approval prior to beginning work and shall invoice for the completed work using the approved schedule of values. Invoices for payment of completed work shall be submitted using the "Application for Payment" (AIA) or similar detailed format form.
7. The Project Manager will schedule Monthly Progress Meetings to discuss and review payment applications, current completion status, inspections, potential delays, scheduling conflicts, material delays, etc.
8. All new materials and equipment require submittal to the Project Manager prior to ordering.
9. All specification sheets and submittals must be pre-approved by the Project Manager (PM) prior to ordering.
10. The Contractor shall coordinate all work with all trades to incorporate new and replaced equipment throughout the project.
11. The Contractor is responsible for all clean-up and debris removal daily. Work area will be kept clean at all times. The Contractor shall supply his own dumpster for scrap and trash removal.
12. The Contractor will supply all employees with Personal Protective Equipment (PPE) as required and/or necessary to perform the work and must comply with all applicable safety and environmental requirements. Work shall meet OSHA, NEC, Parish, City and State requirements and regulations as required.
13. The Contractor and Subcontractors will warranty their workmanship, repairs and installations for a period of one (1) year.

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